418

Appl. No. 09/449,215



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ed States Patent and Te

Applicant: Samara et al.

Title: A METHOD AND APPARATUS

FOR SECONDARY CAPTURE OF 3D BASED IMAGES ON A PICTURE ARCHIVAL AND COMMUNICATIONS (PACS)

SYSTEM

Appl. No.: 09/449,215

Filing

11/24/1999

Date:

Kim, Chong R.

Art Unit:

Examiner:

2623

DECLARATION UNDER 37 C.F.R. § 1.131

Mail Stop AF
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

We, Yaseen Samara, Greg J. Angst and Jerome Knoplioch, state and declare that:

- 1. We are co-inventors of claims 1-3, 6, 7, 11-14, 17-23, and 26-32 of the above-referenced patent application.
- 2. Prior to August 30, 1999, we conceived in the United States the invention described and claimed in at least claims 1-3, 6, 7, 11-14, 17-23, and 26-32 of the above-referenced application.
- 3. Prior to August 30, 1999, we submitted an invention disclosure that evidences the conception of the invention claimed in the above-referenced application.
 - A copy of the invention disclosure is attached hereto as Exhibit B.

-1-

Atty Dkt. No. 066243-0206 / (fka 070191-0237) (15-IS-5290)



Appl. No. 09/449,215

- 5. On August 30, 1999, a letter (attached as Exhibit A) was sent to Attorney James G. Morrow enclosing a copy of the invention disclosure of Exhibit B. The letter has been redacted of other invention disclosure titles which were also enclosed with the letter.
- 6. On September IO, 1999, James G. Morrow accepted the engagement to prepare a patent application based on the disclosure of Exhibit B accorded Docket No. 15-1S-5290 evidenced by the Administration Record (attached as Exhibit C). The Administration Record has been reducted of the agreed upon cost of the deliverables.
- 7. On November 24, 1999, the above-referenced patent application was filed with the United States Patent and Trademark Office.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom

Date	1-7	-2004	Ų	C
-	Ву		Ja	seen Jomana
			-	Yaseen Samara
			•	
Date_		·		
	Ву			
	•			Greg J. Angst
Date_				
	Ву			
				Jerome Knoplioch



Appl. No. 09/449,215

- 5. On August 30, 1999, a letter (attached as Exhibit A) was sent to Attorney

 James G. Morrow enclosing a copy of the invention disclosure of Exhibit B. The letter has
 been redacted of other invention disclosure titles which were also enclosed with the letter.
- 6. On September 10, 1999, James G. Morrow accepted the engagement to prepare a patent application based on the disclosure of Exhibit B accorded Docket No. 15-IS-5290 evidenced by the Administration Record (attached as Exhibit C). The Administration Record has been redacted of the agreed upon cost of the deliverables.
- 7. On November 24, 1999, the above-referenced patent application was filed with the United States Patent and Trademark Office.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date		
_	Ву	
		Yaseen Samara
r	· · · · · ·	
Date_	1/7/2004	
	By Garledans	·
	8 - 9 - 7	Greg J. Angst
Date		
	Ву	· · · · · · · · · · · · · · · · · · ·
		Jerome Knoplioch



Appl. No. 09/449,215

- 5. On August 30, 1999, a letter (attached as Exhibit A) was sent to Attorney James G. Morrow enclosing a copy of the invention disclosure of Exhibit B. The letter has been redacted of other invention disclosure titles which were also enclosed with the letter.
- 6. On September 10, 1999, James G. Morrow accepted the engagement to prepare a patent application based on the disclosure of Exhibit B accorded Docket No. 15-IS-5290 evidenced by the Administration Record (attached as Exhibit C). The Administration Record has been reducted of the agreed upon cost of the deliverables.
- 7. On November 24, 1999, the above-referenced patent application was filed with the United States Patent and Trademark Office.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date	
Ву	Yaseen Samara
,	
Date	
Ву	Greg J. Angst
	Q.45
Date L	
Jan 9, 2004	
· ·	Jerome Knoplio

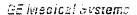






EXHIBIT A

August 30, 1999

- - Assemble 12 3.0 352

James G. Morrow, Esq. Foley & Lardner 777 E. Wisconsin Ave. Milwaukee, WI 53202

Re:

New Patent Application for

Workstations

Our Docket No. 15-IS-5281

New Patent Application for Workstations
Our Docket No. 15-IS-5282

New Patent Application for Our Docket No. 15-IS-5288

New Patent Application for Our Docket No. 15-IS-5289

New Patent Application for Secondary Capture of 3D-Based Images on a PACS System
Our Docket No. 15-IS-5290

New Patent Application for Workstation
Our Docket No. 15-IS-5292

New Patent Application for Our Docket No. 15-IS-5293

New Patent Application for 'Workstation Our Docket No. 15-IS-5297

Dear Jim:

Enclosed are copies of the above-referenced invention disclosures, for which patent applications need to be drafted. Please prepare applications for

James G. Morrow, Eug. August 30, 1999 Page 2



each of the disclosures in accordance with our established fee arrangements and GEMS guidelines in the regular turnaround time of three months. Please contact the respective inventors directly for assistance as needed.

Also enclosed is an Administration Record sheet for each of the invention disclosures. Please complete items 1. a-b and 2. a of the Records and return them to us for our files within 10 days.

Thank you in advance for your help. Feel free to contact me if you have any questions or comments.

Very truly yours,

Phyllis Y. Priče

Counsel - Intellectual Property

Enclosures

CC: Christian G. Cabou
Susan M. Donahue
Alpesh Patel
Roland Lamer
Brad Koehl
Atul Setlur
Steve Taves
Yaseen Samara
Bill Stoval
Rahul Choudhury
Frank Owen
Ronnie Yates
Dave Kurzynski

EXHIBIT B



IIS-99-16

INVENTION DISCLOSURE

Rrief d	escription:	···	and the second s	,
PACS	workstation adapted to	reconstruct and di	splay 3D images can perform 3	BD analyses (eg. MIP,
and sav	e the resulting image t	o the PACS storag	re	
				T ***********
Creato	r(s): (Additional nam	es may be included	d on an attached "Additional C	reators Listing)
Total n	umber of names listed:	: <u>4</u>		
F. II M	ame: <u>Yaseen Samara</u>		Signature	
Full Na	ame: <u>Yaseen Samara</u> nship:			
Social	Security Number:		Date:	
	nny:			•
Compa	ny Phone: 847-704-8	3575	•	
Home	Phone:			
Busine	ess E-Mail: yaseen.sam	ara@gemed.med.s	ge.com	•
Superv	visor:		•	. ,
Compa	any employee? 🛛 yes	no (if no, em	ployed by:	
Home	·			
	. *	Address		
	City	State	Country	Zip
			•	
		*	Signature	
Full N	ame: William Stoval			
Citize	nship:		Date:	
	Security Number:			
	any:		•	•
Comp	any Phone: Phone:			
	ess E-Mail:		•	
Comp	visor: any employee? 🛛 yes	s \(no (if no. em	poloved by:	
	:	,	-	
1101110	•	Address		
	· .		Country ·	Zip
	City	State	Country	Z.ip
		•		
Proje	ct:			



	5.3	The invention \square is \boxtimes is not \square part of or \square funded by a government project.
5.	Signif	icant Dates (provide approximate dates - "at least as early as" if unsure):
	6.1	When and in what form was the invention first disclosed inside the company?
		Discussions in early 1999
	•	
	6.2.	Has the invention been disclosed outside the company? If yes, to whom, when, and in what form?
		No
	6.3	Have any articles describing your invention been published? If yes, list author(s), title of article, publication and date.
		No
	*	
	6.4	Has any product using the invention been sold or offered for sale? If yes, to whom and on what date?
·		<u>No</u>
٠,		
	6.5	When will (or did) GE begin production of this invention?
		Early 2000
7.	Descr	iption/Disclosure (attach additional pages, sketches, specifications, etc., if available)
	7.1	What is the general technological problem the invention is contemplated to overcome?
	,••	Conventionally, 3D image processing has been performed on stand-alone workstations, not
		connected directly to a PACS station. Consequently, any 3D renderings, analyses, and so forth,
		were stored only on a stand-alone workstation. The PACS system was not capable of receiving
		reprocessed 3D images, such as MIP, MRP, and similar renderings.



7.2	Prior Art:			
	7.2.1. Identify related invention disclosures, patents or other publications describing similar ideas, and other companies working in the same field. Attach copies, if available.			
	None known			
	7.2.2. What is the closest technology, of which you are aware?			
	Advantage workstation as a stand-alone 3D processing station, and separate PACS systems.			
7.3	Briefly describe the structure of the invention and how it works.			
	PACS workstations will be equipped with 3D processing software to receive 2D images and to			
•	produce 3D renderings, perform 3D analyses, and so forth. (see IIS-99-13) The 3D analyses,			
	such as MIP, MRP, and so forth, can be performed on the PACS workstation, with the resulting			
	image data being captured and stored back to the PACS storage for ready access by other PACS			
	stations.			
7.4	How is the invention different/better from prior solutions to this problem?			
	The PACS system may serve as a very convenient vehicle-for processing and transmitting 3D-type			
	projections, analytical projections, and so forth, to various workstations, without requiring those			
	workstations to be equipped for 3D processing and analyses.			
Witnesses: I ha	eve read and understood the information described above and in the attached pages:			
/1\ 3 7	mai Sianatura			
	ne:Signatureship:			
	Security Number: Date:			
	ny:			
Compa	Company Phone:			



(2) Name:	Signature	
Citizenship:		
Social Security Number:	Date:	
Company:		•
Company Phone:		



Additional Creators Listing (delete if not needed)

Full Name: Rahul Choudhury		Signature	
Citizenship:		-	
Social Security Number:		Date:	
Company:			
Company Phone:		·	
Home Phone:		•	
Business E-Mail:			•
Supervisor:			
Company employee? 🛛 yes 🗀	no (if no, em	ployed by:	· · · · · · · · · · · · · · · · · · ·
Home:			'
	Address	*	ÿ. r
City	State	Country	· Zip
City	State	Country	Σip
Full Name: Frank Owen		Signature	
Citizenship:			
Social Security Number:		Date:	
Social Security Number: Company:		_	
Company Phone:		•	
Home Phone:			
Business E-Mail:			
Supervisor:			
Company employee? ves	no (if no em	ployed by:)
Company employee	1 110 (11 110, CIII	iployed by	
Home:	· Address		
City	State	Country	Zip
	•		
Eull Names		Signature	
Full Name:Citizenship:		Signature	
Cinzensnip:		Date:	
Social Security Number:		_ Date	
Company:	· · · · · · · · · · · · · · · · · · ·	-	
Company Phone:			
Home Phone:			
Business E-Mail:	· · · · · · · · · · · · · · · · · · ·		
Supervisor:	7 /:0		`
		aployed by:	
Heme:	A dd-oo		
•	Address		
City	State	Country	Zip
		•	,
		C :	
Full Name:		Signature	
Citizenship:		_	
Social Security Number:			
Company:			
Company Phone:			
Home Phone:			
Business E-Mail:			
Supervisor:			
Company employee? yes)
Home:			
	Address		



City State Country Zip

EXHIBIT C



Manual for Global Patent Applications ©1998 General Electric Company ADMINISTRATION RECORD

Docket No. 15-IS-5290

Preparing IP Attorney: James Morrow, Esq.

1.	Preparat	ion Times:
	a.	Date outside provider accepted engagement to prepare application: 9/10/99.
	b	Completion date projected at time of acceptance of engagement: 12/10/99.
	c.	Date patent application filed in Patent Office (if prepared by outside counsel):
		(1) Pendency (in days) from acceptance of engagement to filing of patent application:
	d.	Date ready-to-file patent application returned to GE counsel (if to be filed by GE counsel):
		(1) Pendency (in days) from acceptance of engagement to return of ready-to-file patent application:
2.	Prepara	ion Costs:
	a.	Agreed upon not-to-exceed cost for the deliverable*:
		ers to those items, such as the patent application, drawings, Information Disclosure Statement, etc., that ed by the provider pursuant to the engagement.
	b.	Amount billed for the deliverable will not exceed the agreed upon cost YESNO*_X_
		*If NO, please explain. The 2(a) amount only includes attorney fees.
3.		nic format of the complete application, including drawings, has been provided to GE in the occessing program and version designated by GE: YESNO*
	*If NO,	please explain.